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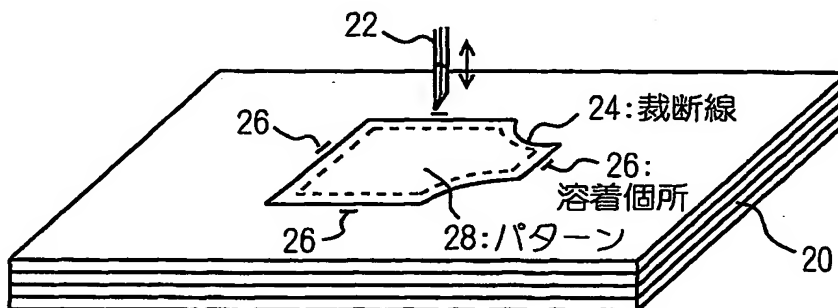
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- (51) 国際特許分類⁷: B26D 1/06 (74) 代理人: 塩入 明, 外(SHIOIRI, Akira et al.); 〒659-0093 兵庫県 芦屋市船戸町 4 番 1-4 0 9 号室 Hyogo (JP).
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- (84) 指定国 (広域): ARIPO 特許 (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
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- 添付公開書類:
— 国際調査報告書
— 補正書

[続葉有]

(54) Title: METHOD OF CUTTING SHEET MATERIALS

(54) 発明の名称: シート材の裁断方法



24...CUTTING LINE

26...MELT-JOINED PORTIONS

28...PATTERN

(57) Abstract: When sheet materials are layered and cut, they are melt-joined vertically by applying heat to them, where the heat is produced by sticking a knife or an awl into the materials through a cutting line or a portion slightly outside the line or into a seam allowance portion and moving them up and down. Even layered sheet materials with low air permeability can be cut precisely while they are prevented from turning over or slipping.

(57) 要約: シート材を重ねて裁断する際に、裁断線上ややそのやや外側、あるいは裁断線の内側の縫い代部分などに、ナイフや目打ちなどを突き刺して上下させて熱を加え、シート材を上下に溶着させる。空気透過性の低いシート材を重ねて裁断しても、シート材がめくれたり滑ったりすることを防止して、正確に裁断できる。

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2文字コード及び他の略語については、定期発行される
各PCTガゼットの巻頭に掲載されている「コードと略語
のガイダンスノート」を参照。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/17092

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B26D1/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B26D1/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2004

Kokai Jitsuyo Shinan Koho 1971-1996 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 63-100602 A (Sanyo Electric Co., Ltd.), 02 May, 1988 (02.05.88), (Family: none)	1, 3-4
Y	JP 7-112081 A (Kyushu Hitachi Maxell Kabushiki Kaisha), 02 May, 1995 (02.05.95), (Family: none)	5
Y	JP 8-9211 B2 (Hideo MORIMOTO), 31 January, 1996 (31.01.96), & EP 376274 A2 & US 5087236 A1	5
A	US 3780607 A (Gerber Germent Technology, Inc.), 25 December, 1973 (25.12.73), & JP 48-074683 A	1-6

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
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 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
23 March, 2004 (23.03.04)

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Name and mailing address of the ISA/
Japanese Patent Office

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